WORMS IN DOGS.

BY ARNOLD BURGES.

Truly has "Stonehenge" said "Worms are a fertile source of disease in dogs, dostroying every year more puppies than distemper itself; and in spite of every pre-caution appearing in the kennelled hound or shooting dog, as well as the pampered house pet, and the half starved cur." Judg ing by the number of inquiries for remedies which we set, our friends kennels are no exceptions to the general rule. These same queries also prove that the symptoms indi cating the presence of these pests, and the various medicines which should be used, are alike unknown to the general public. We cannot therefore, do better than give a brief description and list of common remedies; not that we are unwilling to aid our friends in individual cases, but rather that a possibly fatal delay may be avoided. Since, however promp we may be, tune is necessary for our replies to reach our correspon-

ed by ova; but some are also capable of bringing forth their young alive. So that in order, to absolutely relieve the dog, not only must all existing worms be removed, but the eggs in which future parasites are latent must also be destroyed. Three varieties of worms inhabit the intestines and are capable of removal; they are the maw, round, and tape worms. There is also a kidney worm and one found in the brain, both of which are ultimately fatal. The maw worm similar to the thread worm in man, is about an inch long, of a milk white color, with one blant end, where the mouth is situated, and the other pointed. The worm is seldom troublesome, and if so is easily expelled by doses of areca nut, followed by castor oil twelve hours after giving the nut. In fact, this treatment is the best of all for all kinds of worms, but as the nut is sometimes hard to find at the drug stores, a good remedy for both maw and roun I worms is firely pulverized glass, as much as will make into a bolus the size of a hickory nut, when mixed with butter or lard, to be followed six hours after by castor oil. This remedy is perfectly safe if the glass is finely pulverized. Another remady is four grains of santonine with twenty grains of jalap, mixed into a bolus, and give on an empty stomach, in fact as all vermifuges should be.

The round worm is of a pale flesh color five or six inches long and is generally found in knots of three to half a dozen at a time. These worms fr quently generate their eggs in their own bodies, and the microscope will disclose the parent full of its young. They stand next to the tape worm in the trouble they give, but generally yield readily to the

remedies we have named.

The tape worm is frequently several feet in length, flat in form, with a small head having four mouths. The peculiarity of this worm is that every section of its body possesses the faculty of reproducing its species. The ovathrown out at every joint are almost infinite in number, and these readily communicate the pest to other dogs, specially in kennels where the most scrupulous neatness is not enforced. . Naturally the tape worm prove most injurious to the health of the dog it in habits. It absorbs a great portion of the nourishment taken into the stomach, thereby preventing its sustaining the system; and beyond this it irritates the intestines in a serious manner. It defies the action of the ordinary vermitages, but yields to areca nut generally, and in cases where it does not, the best remedy is a bolus composed of twenty drops of the oil or male fern, fifteen grains of jalan and enough liquorice powder and water to mix the whole. Indian pink, calomel and spirits of turpentine are all mentioned by "Stonehenge" as powerful and effective expellants, but with the caution that all act sometimes prejudiciously or fatally, and that they should not be given without a full knowledge of the risk, or by a competent practitioner.
The symptoms which denote the presence

of worms are marked in character and not easily mistaken by a careful observer. They are the same in all cases without regard to the kind of worm producing them, except that they differ in identity according to the degree of internal irritation, and hence as all or a party only, appear, the kind of w. um may be determined by the exhibition. An unhealthy condition of the coat, the hair being devoid of closs, dull and staring, is the first symptom; then follows in due order a ravonous appetite, with, in spite of the quantity caten, a falling off in flesh; but, dry nose; dull spirus and offensive breath. The faeces are generally small and disconnected. Sometimes dry and crambling, again lampy, and followed by frothy mucus.

The full list of symptoms soldom appears

same age. Springfield, too, won the free handicap for three-year-olds over the one and a quarter miles Across the Flat, hard held, from Gavarni and two other opponents though his staying powers were doubted, owing to his never having rul a mile pre-viously. He is certainly a magnificent horse to look at, being full of quality and of good

HOW LINCOLN DECIDED A BET.

Mr. Lincoln was very positive in his mortal positions, and exerted a great influence on the young men about him. Especially was he severe on gambling. Greene, his best friend, had got into that practice. So Lincoln one day gave him a very severe talk on his habit. There was one person who always won from Greene, and it was done by some trick in the game they played. Greene said he must beat him before he stopped. Said Lincoln :- "Billy, if you will promise that you will never gamble again, I'll put up a job that will beat him.' And Greene said. "If you will only nelp me to get ahead of him, I swear it. says Lincoln. " when he comes into the store again, you bet him one of tuose \$7 hats that I can drink out of a full whiskey Greege suggested that would be a [barrel." pretty big thing to do. They had better try it first. So they rolled out a full barrel and Lincoln lifted onesend on to one knee, and then the other end on the other knee, and thus balancing the barrel of whiskey, drank out of the bunghole. In a few days the " professional " came around. Greene struck the bet without any trouble. The man increased it to a bat apiece. Lincoln was called in and lifted the barrel and drank out of it, and Greene took the hat. It was rather a Chinese way for Mr. Inucoln,

THE SALMON BREEDING ESTAB-LISHMENT ON THE NORTH-WEST MIRAMICHI.

A large quantity of salmon ova has been successfully laid down at the Dominion Government hatching establishment on the Northwest Miramichi River. Last year the reception and feeding dams were both injured, and after they were examined by Inspector Venning, the work of . aking the repairs was entrusted to Mr. Elson Tozer who, under the Juspector's personal direction, has made a satisfactory job, both dams being now staunch and tight and full of water. Un the 1st of September Overseer Hogan

was instructed to employ men and obtain a lot of parent fish, but owing to the low water prevailing prior to the autumn rains, the fish were prevented from ascending the river, and efforts to procure them were, therefore, unsuccessful. At the first freshet the river rose fourfeet in twenty-lours hours, and as the water submerged the shore the dried leaves and parched debris deposited by the spring freshet floated down against the nets, which were thus converted into dams und swopt away from their positions on the

The sweeping met was mext resorted to, and ler all possible exertions were made, by night and day, 141 fish were obtained— 76 males and 65 females. The preponderance of male fish in the whole take of the season was a discouraging feature in the operations and, added to it, was the capture of 20 spent fish which, of course were immediately liberated. An encouraging and significant feature of the op rations, however, was the fact that the fish taken this season are larger than those previously taken, two of them weighing about forty pounds each.

At the present time, the season for obtain-

ing ova having closed, there are now laid down in the hatching house from 600,000 to 700,000 healthy eggs which have been suc- minutes elapso before we are fast in another cossfully impregnated and are in prime con- fish; but a certain drag on the line shows us.

arrays of drowned trees, skeletons of dead forests that stretch their eafless and bleached arms on every side. Bowars of sunken snags. steer cautiously round each fallen tree, remem ber your bait is forty yards from you, or you may be disagreeably reminded of the last visit your teeth, and you can tell with great precision how it is spinning; the dull monotonous hum as it revolves on the brass bar being—especially if you smoked on extra pipe over the camp fire the night before—undoubtedly conducte to nodding in the absence of sport.

Down goes the paddle, and, as our fingers grasp the line, a magnificent fish of at least luibs. ieap three feet into the sir, his sides fairly anin-ing in the sun. Another leap or two, and we breathe freely, as he makes the running at a creat pace for the open lake, towing cance and all after him; for with such tackle, we can afford to be severe. Our line is no silken thread, and ceremony would be out of place, though such a fish is worthy of a better fate. We are very soon on even terms with him, and, after two or three futile attempts to dive under the cauce, our fingers are in his eyes, and with considerable trouble we deposit a twelve-pounder in the bottom of the craft, and giving the coup degrace (which, in such narrow quarter, is absolutely necessary), survey his lordly dimensions with mingled feelings of satisfaction and admiration, for he is more than twice the weight of average specimens of his kind—the head of the rike family. He differs little in appearance from the in the same breath. The most verscious of his tribe, it is said that the very perch and sunfish are not safe from his savage fangs. The only pity is, it is next to impossible to red-fish for him. An acquaintance of mine, who lived most of his time on the frontier of the lake country, was the only person I ever saw use a rod for their capture. For this purpose he had to be whilst trolling.

By the time the hooks are extricated from our fish's jaws, the cance has drifted sideways through the narrow opening of the channel, into a new and larger lake, level-coasted as the other. but islandless. Far away on the opposite coast, a thin line of smoke rising from the wood denotes the shanty wherein an ex-British officer has for the last twenty years expatriated him-relf, and devoted himself to the paddle and rifle exclusively; and, I may add, a better .compan cambé toward what appears in the distance to be stretches of green meadow, but is in reality beds of wild rice, hannt of ducks and reed birds, and along whose edges we hope to pick up a fish. Nor e i our hopes delusive, for we have possied them for one hundred yards era the unmistakable sensation that causes the paddle

canter, but he hang so much that the Eoglish colt on the opposite side of the course
got up in the last stride and made a dead
heat of it. In the deciding race the English
three year-old was made favorite, though
meeting Bay Final at a disadvantage of 10
lbs, compared with the weight for age scale,
under which at this serson of the year at
four-year-old should allow a three-year-old 18
los, but, turning under his impost after a
second time completing the long two mile
course, he was elevery beaten by the Amseries by half a length. According to the
remain by haif a length. According to the
strunning, it may be inferred that, as Broadside was about math or tentu in the Cesarowitch, Rosobery, who gave him nearly a
stone in weight and a 2st, teating beside, is
from 8st, to 4st, better than Bay Final, of the
same age. Springfield, too, won the
feare of Spring Half and a 2st, teating beside, is
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feare of Spring Half and the collection of the plane of the long smouth and the plane of the long smouth and the plane of the long that the plane of the long the miles of the long that the plane of the long that the second time of the long that the plane of the long that the second the long that the second the long that the plane of the long that the second the long tha The whole art of trolling lies in the paddling, water only to mark their presence. Such is a as the spoon, of course, feels every dip of your great pertion of the forces primmval, of which blade. A good deal also hinges on local know. schoolboys have dreamed, and poets sang from ledge, or rather an acquired eye for likely spots, time immemorial, wandering over green swards, as in trout fishing, which soon comes natural, beneath umbrageous cake, reclining by the banks as in trout fishing, which soon comes natural, beneath umbrageous cake, reclining by the banks. A good ron fisherman, however, would be surprised looking at the clumsy tackie, and drawone and the thoughts of the clums. On the
ing his decuctions regarding the intelligence or
the fish therefrom, how often, even when he
learnt to paddle, he would go out before success
attended his endeavors. Where wind and tide
beat heavily against outstanding promontories,
fish carefully. Where lake steals off in narrow
windings between bare rock walls, troll dill
gently. Neglect not the snug bays to your right
and left, where water-lilly beds heave gently
above the slight wash of your cance. Round
grassy islands, with every kind of verdure
and falling thi the full measure is meted out,
firewing dark shadows over you as you glide
after which you can, with some difficulty, purthrowing dark shadows over you as you gilde after which you can, with some difficulty, per-along round rocky islets, destitute of all signs, haps dig yourself out. There comes the still of life, and strewn with the wreckage of winter forest, and the patter patter of small avalanches floods; through silent narrows, between wered, on the frozon surface sounds on every side; the town mouse now rayels, but not you. O bush-whacker ' the ducks have fled far southward, and are falling in scores before the raking discharges of Chesapeako gunners, basking in the sunny waters of the extreme south, while the squirrel knows a good deal too much to be abroad to your dentist's, or, worse still, lose your spoon. In such hard times. The well-known sound of Every vibration of the batt is distinctly felt in the rames oven is hushed, and, where they belltheir dismal howls make more melancholy the long mights.

August, September, and October are tan only three really open mouths in every sense of the word, and the sportsman or lover of nature who thinks it worth whil to penetrate those latitudes during those months will find plenty to keep busy both his eyer and his gun, then he may wander, happy as a king and free as the air whitner he will till the close of autumn

comes .- Amnis, in London Field.

THE GAME LAWS OF ENGLAND.

A remarkable "game case," involving question of some importance, was tried at a Two miners, named McDonald and Sinclair, were accused of tr spassing, in pursuit of game, on lands the property of Mr Forbes, of Callendar From the evidence, it appear ed that the miners were walking along a public road, and had two dogs with them, which entered an adjoining field, and, after last-named fish, being a trifle more silvery, and coursing it, hunted a rabbit into a stone dike, perhaps rather more underhung but in edible built b tween the road and the field. Mcqualities it would be an insult to mention him Donald left the road, you mon the top of the dike, and watched the escape of the rabbit, while Sinclair stood on the roadsile close to the dike, from which he removed some of Donald, having left the road and gone upon the top of the fence, had committed a tres paddled by a second party, so, though the sat pass, and a conviction was asked. As to isfaction of playing them belonged to him the whether Sinclair had committed a trespass and of the rabbit.

In the bay, just below Capo Vincent, line out and wound around his hand, at l itself manifest, and an average fish of 6 lbs. surge on his line threw him off his balance and into the St. Lawrence. He held fact with only one foot inside the little boat, with atrains on the line. But, alas, fickle fortune: and into the St. Lawrence. He held fact one more fatal spring, and the line falls slack in with only one foot inside the little boat, without hand. The tears, metaphorically speaking, head and arms stretched out at fall length ont hand. The tears, metaphorically speaking, head and arms stretched out at full length; shed for this loss are hardly dry, and estree a guarter of a mile has been put between us, and the spot where we caught the last glimpseof the tip of his tail, when our course is oned again beat sunation perilous, and several destree and apparently rich, entered a parameter of somewhat consoles us. Scarce five minutes elapse before we are fast in another fish; but a certain drag on the line shows us.

with a sharp knife lays open the fish across the throat and down the belly, and passes it to the header. This operator proceeds to extract the liver, which is dropped into a ves sel by his side, to be converted into cod-hear oil. He then extracts the entrains and wrenches off the head, and income these inte another receptacle, to be preserved for the farmer, to mix with bog and earth, thus forming a most fertilizing compost for me-fields. The tongues, however, are taken out and also the 'sounds,' and these, fresh or pickled, are an excellent article of food. I in ish is then passed to the 'splitter,' who by a dexterous movement cuts out the back-bounearly to the tail, and thus lays the fish ertirely open, and capable of being laid that its back. This is the nicest part of the operation, and the splitter always command higher wages than the other operature. In-'salter takes the fish and washes it well from all particles of blood, saits at, and places as in piles to drain. After tying the proper length of time at as washed and apread to dry on the flake, which is formed of spruce boughs supported by a frame-work squirrel knows a good deal too much to be abroad resting on upright poles. Here the cod are in such hard times. The well-known sound of the rapids even is hushed, and, where they bell-to sun and air, and during this process resen at twilight crossing in single file, while quire constant attention. At night, or one the approach of rain, they are made up intlittle round heaps, with the skin outward, in which state they look very much me small haycocks. When the bloom, or small haycocks. When the bloom, or whitish appearance, which for a time they orq ent justi berth on the dried ilsu, the pro cossis finished, and they are then quite ready for storing. On being conveyed to the premises of the experting merchant, they are first 'culled, or assorted, into four different kinds, known as Merchantable, Madeira, West India, and Dun, or broken fish. The first is the best quality, the second a grade lower; the third is intended A remarkable "game case," involving a for the atomach of negroes, and the fourth, question of some importance, was tried at a which is incapable of keeping, is used at I ustice of Peace Court at Falkirk recently, home. The cod sent to het countries is packed by screw power into small cases caned drums; that which goes to the Mediterranean is usually experted in bulk. We ship, large quantities of thred couling to brazu, and ture is hardly an inhabited corner of that vast shipirs where the New foundiand cod is not to be found, being car ried on the backs of males from the sea coast into the most distant provinces of the Donald left the road, got upon the top of the interior. The negrous of the West Indian welcome it as a grateful addition to their vegetable diet. To all parts of the Mediter ranean it finds its way—Italians, Greeks. the stones, and then secured the animal. It and Sichans equally relishing the produce of was contended for the prosecution that Me our sea harvest. The Spaniards and Portu guesa are our best customers, and all over so snany peninsula, the bacto have been a standing that since the days of Cervanue. merit of the capture belonged in reality to the by inserting his hand within the fence it was Don Quixote under that name. In Great paddler, as the rod was only laid in the cancelleft to the court to say. On behalf of the Britain and the United States we have thou who makes special montion of our god in miners it was urged that they were not guilty sands of customers. In the warmer regions game as set forth in the complaint, as I that have a special liking for the dried and salied the lands before a continuously there must be actual personal entrance to all and to thom. The more extensively the lands before a contravention of the state able article of food. The more extensively uto was committed. The court took this Brazil, Spain, and Italy are opened up by view of the matter and acquitted the accused rankways and other means of transit, the reaction the demand for cod, 68 the greater becomes the demand for cod, se the cost is lessened. Roman Catholic countries are our best customers, and Newfoundianders ion round a camp fire would be hard to find A JUDGE WHO LANDED HIS FISH have no reason to wish for the abolition of Turning homewards, we point the bow of our UNDER DIFFICULTIES. days appointed by the Roman Catholic church. The advancing prices of fresh in als Judge Emerson and his wife, of Ironton, of all ainds in various countries is also rapid Mo., were out in a very small boat trolling by increasing the Jemand for cod, and has With two hundred to three hundred feet f considerably enhanced its value. Twelve it function Jenra ago the average price of field hastily to be rejected and the line seized makes while on his feet adjusting a seat, a terrible was from twolve to fifteen shillings per quite iai. It is now exactly double that price.

DEATH IN AGGAMING HOUSE